



The Ongoing Journey of the Burke-Gilman Trail

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Seattle
Department of
Transportation

Agenda

Background

- Missing link
- Independent Design Advisor

Trail Driveway Crossing Field Test

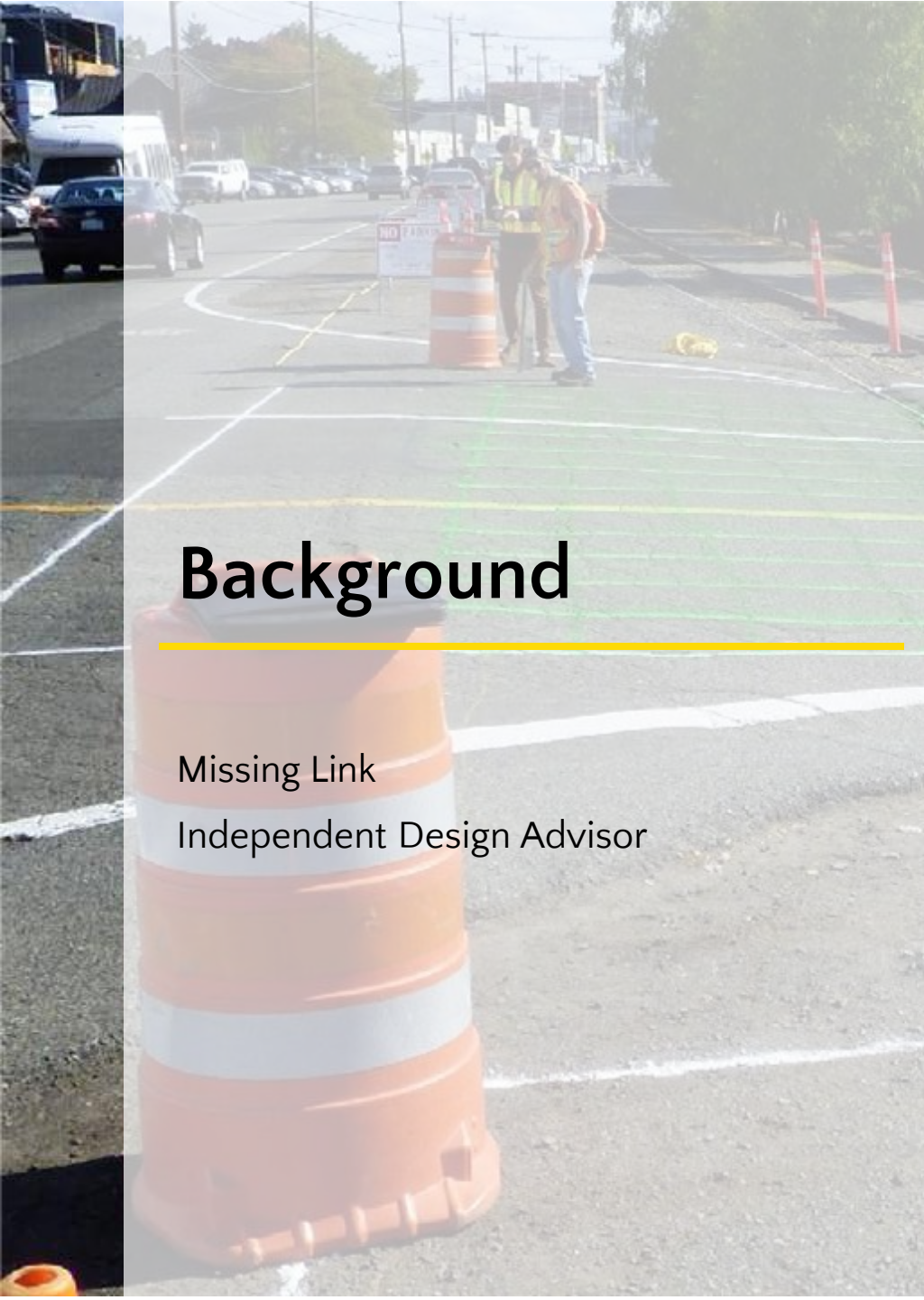
- Assess concept in scaled conditions

Ongoing Activities

- Consider other alternatives

Questions?





Background

Missing Link

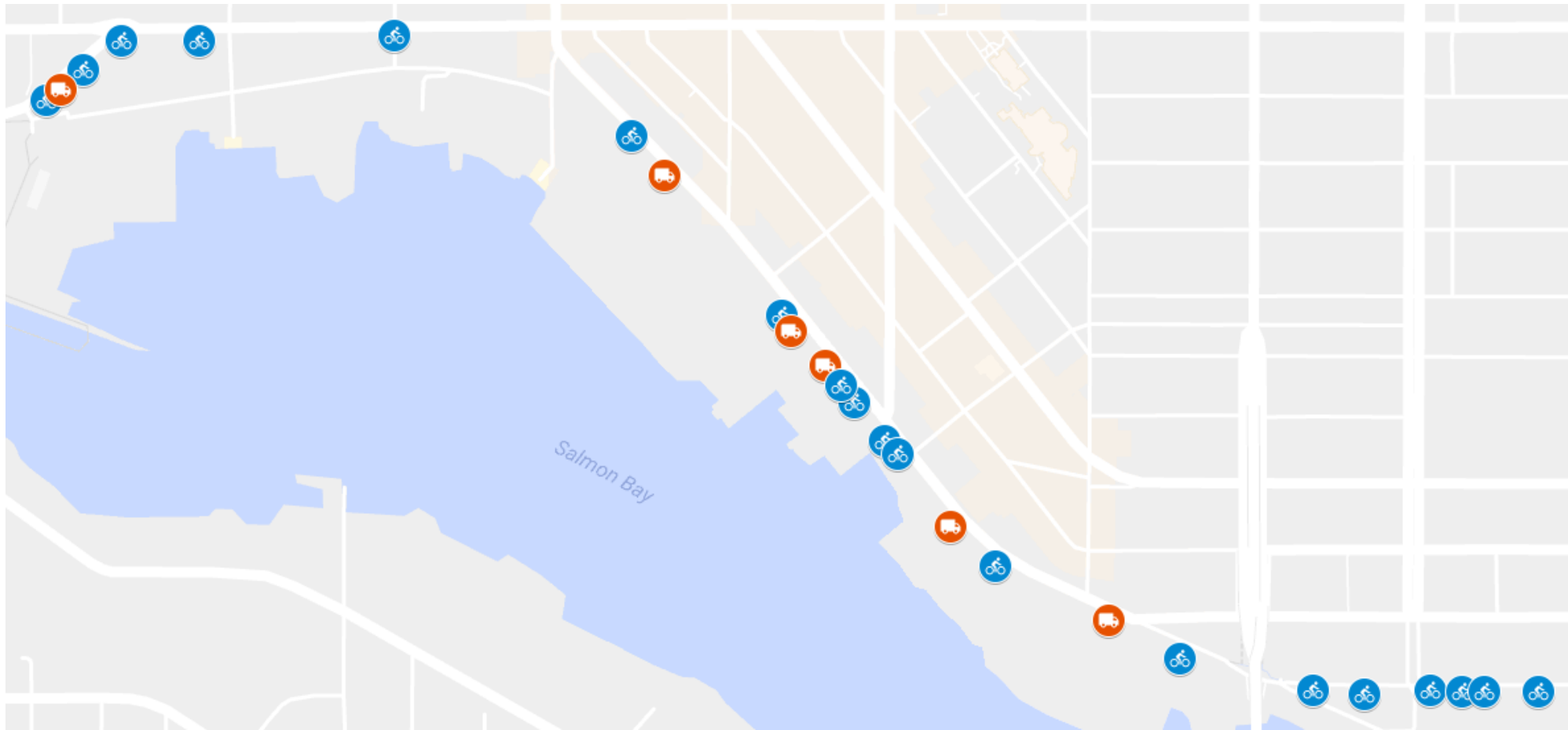
Independent Design Advisor



Background: Bicyclist/Pedestrian Connections



Background: Driveways



Role of Independent Design Advisor

- Obtaining understanding of challenges
- Providing independent research
 - Highlight best practices
 - Potentially identify innovative ideas based on principles
- Reviewing plans
- Developing strategies to reach agreement of resolving challenges



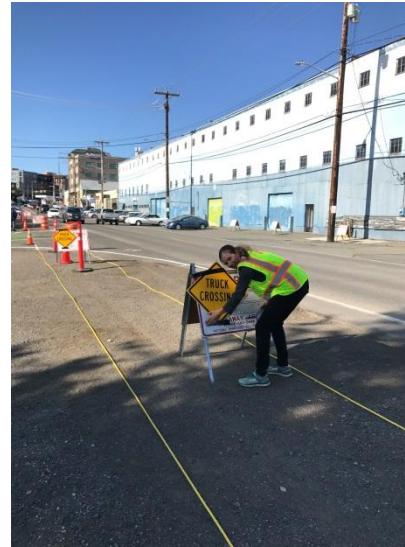
Trail Driveway Crossing Field Test

Assess concept in scaled conditions



Field Test Questions

- Driveway Width
- Driveway Crossings for Trail Users
- Traffic Exiting from Driveway
- Left-Turns into Driveway
- Right-Turns into Driveway



Driveway Width

Does the proposed design accommodate the trucks anticipated to use the driveways?

- *Yes – No modifications suggested*



Driveway Crossings for Trail Users

Does the design clearly communicate to trail users the location of the driveways and where they should be positioned when yielding to driveway traffic?

- *Green driveways are clearly visible*



Driveway Crossings for Trail Users

Does the design clearly communicate to trail users the location of the driveways and where they should be positioned when yielding to driveway traffic?

- *Green driveways are clearly visible*
- *May not be clear where to wait*



Traffic Exiting from Driveway

How do vehicles exiting the driveways interact with trail users?

- *Sufficient sight distance in all directions*



Traffic Exiting from Driveway

How do vehicles exiting the driveways interact with trail users? Confirmed 3-step process for drivers:

1. *Stop before trail and find gap in trail users*
2. *Proceed to road edge; block trail; find gap in vehicle traffic*
3. *Proceed to enter roadway when gap is available*



Left-Turns into Driveway

Can trucks safely make a left-turn into the driveway?

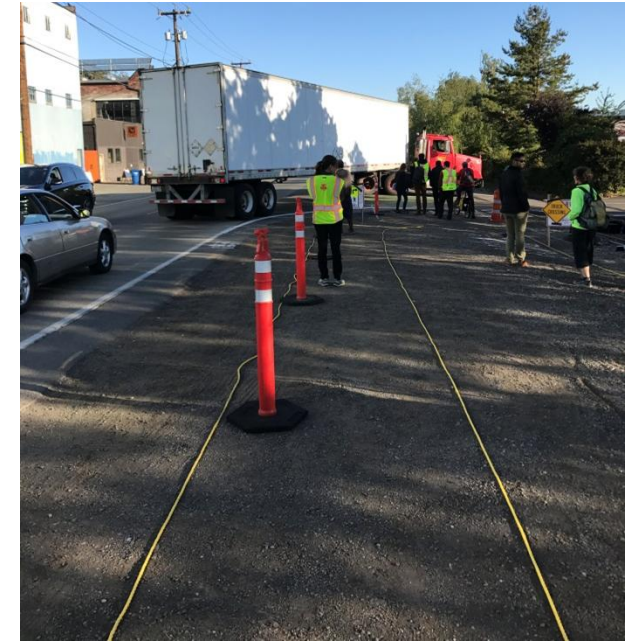
- *Yes – No modifications suggested*



Right-Turns into Driveway

Can trucks safely make a right-turn into the driveway?

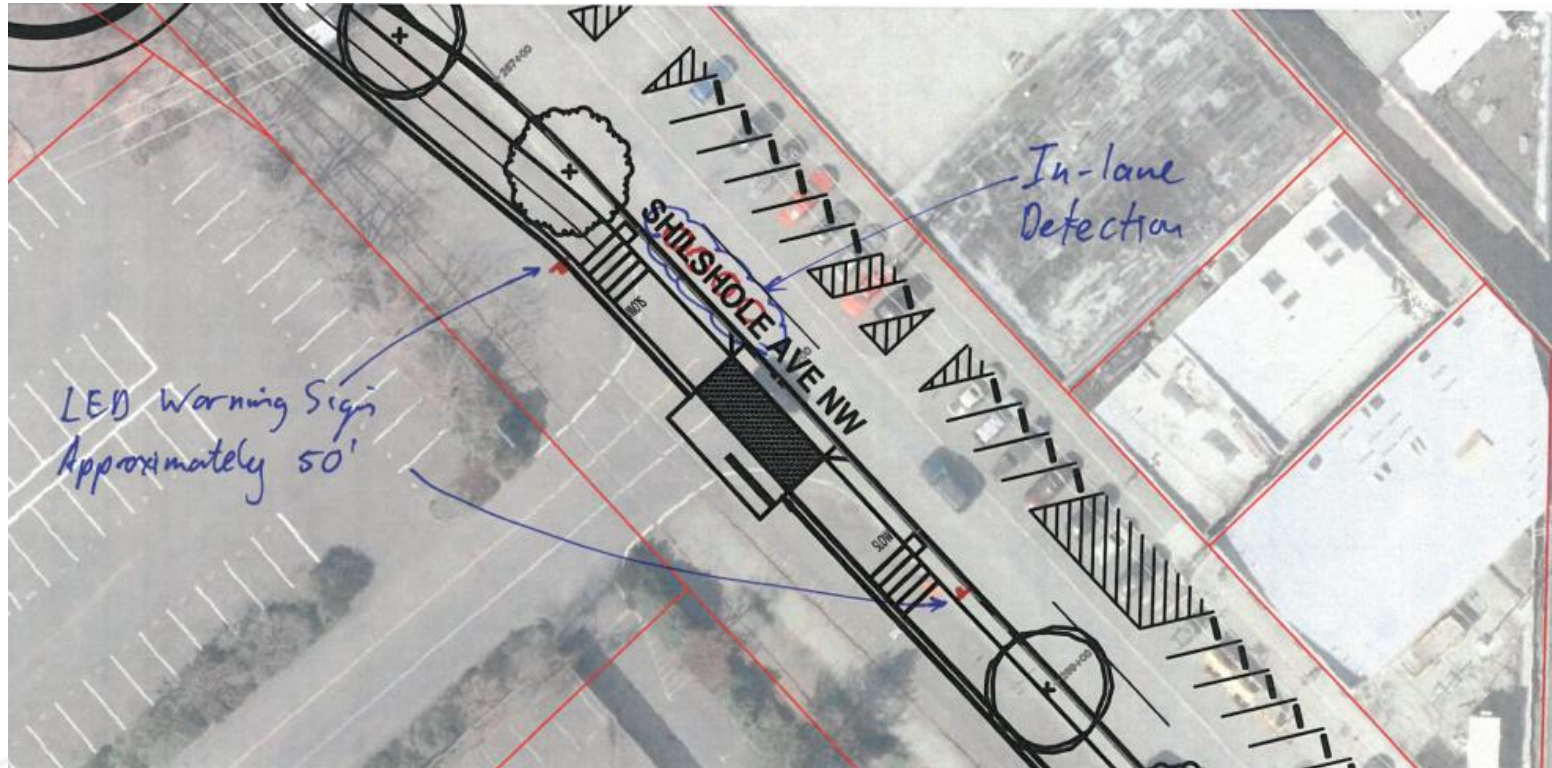
- *There is a large blind spot for right-turning trucks after the turn is initiated*



Right-Turns into Driveway

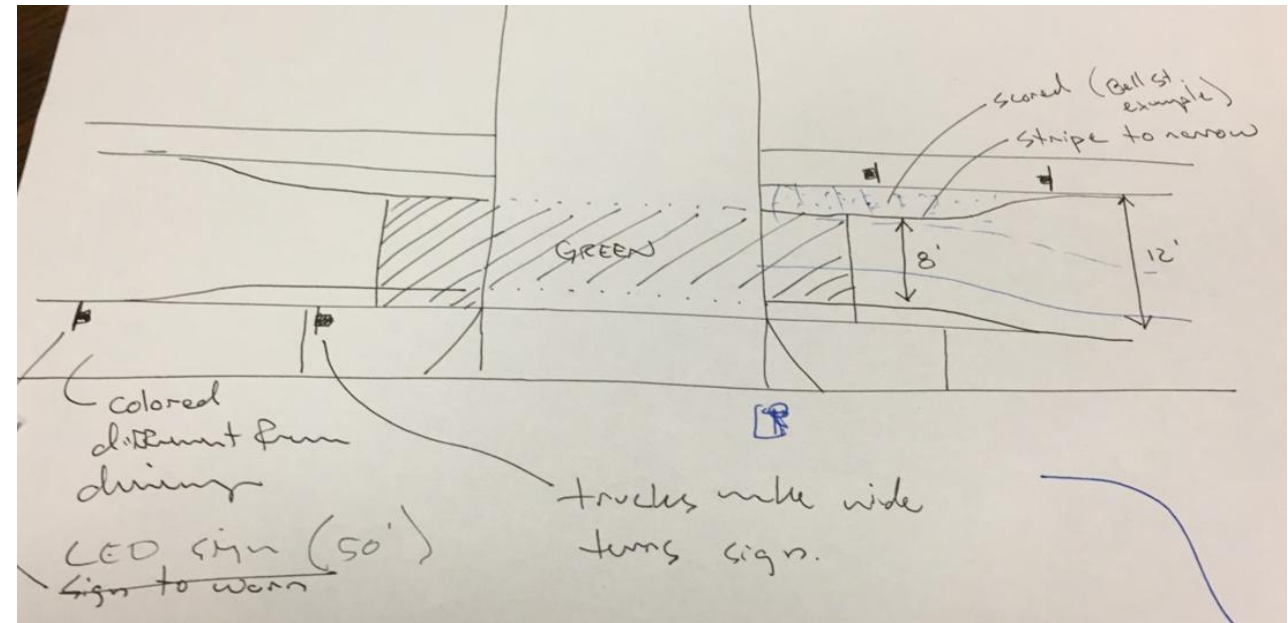
Can trucks safely make a right-turn into the driveway?

- *Trail users need to yield once the turn has been initiated*

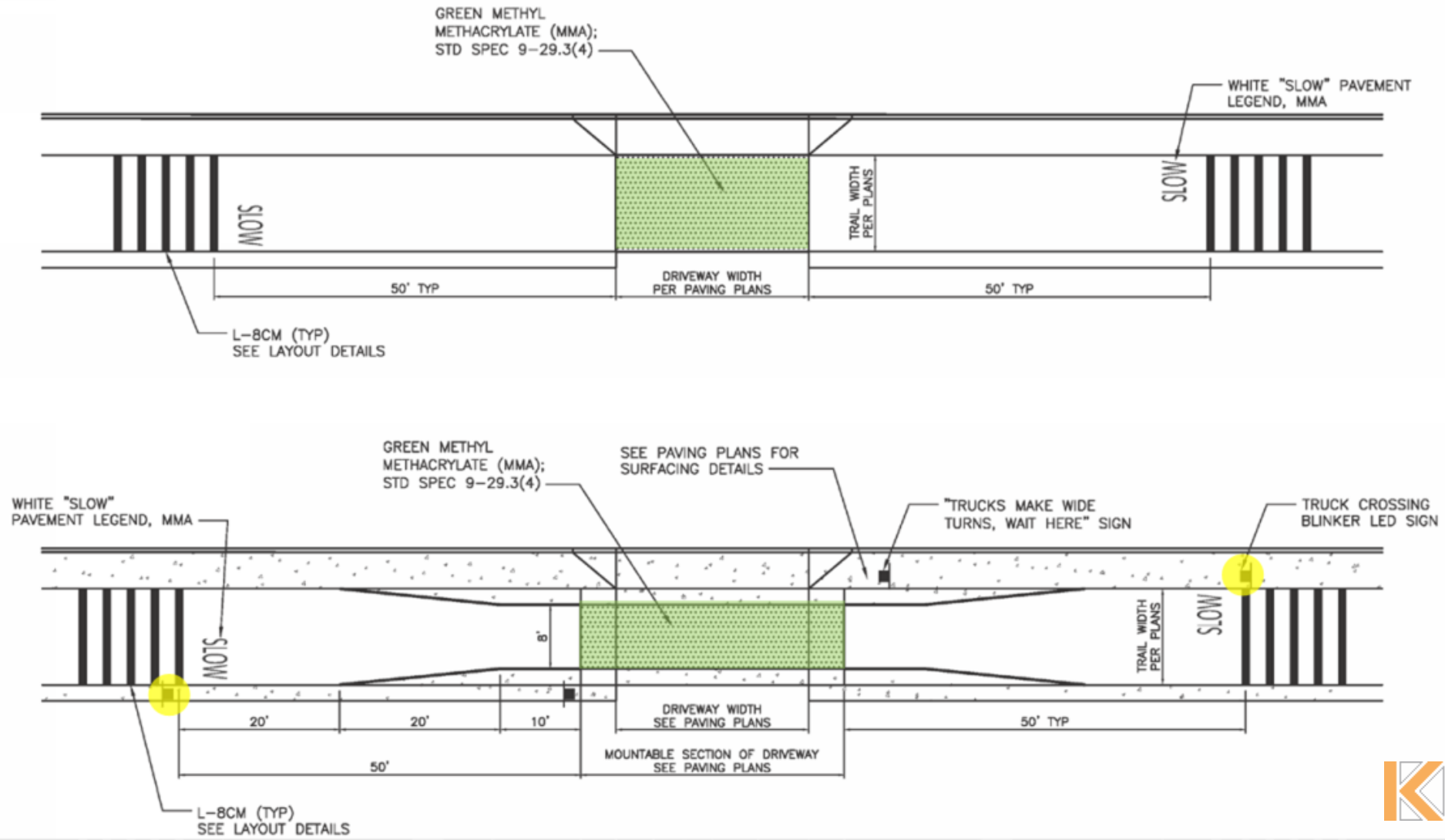


Summary of design considerations

- Place LED warning signs 50 feet from high volume-driveway crossings
 - Include in-lane detection for right turning vehicles
- Narrow trail at driveway crossings
- Extend green paint to indicate conflict area
- Potential for additional signage



Typical vs. Industrial Driveway

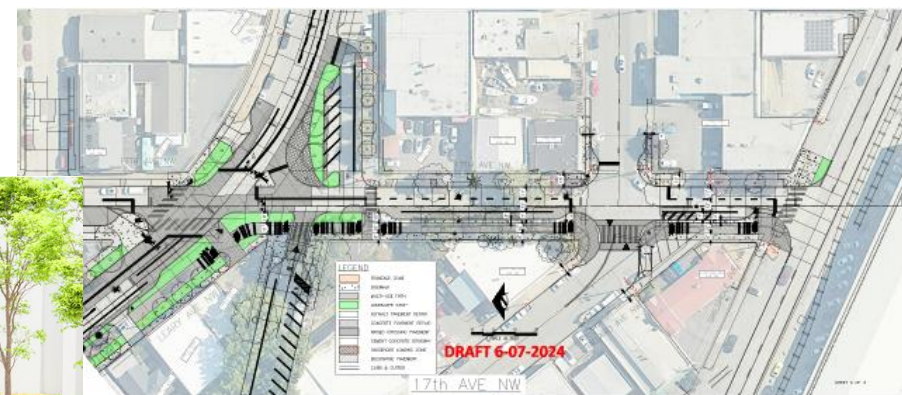
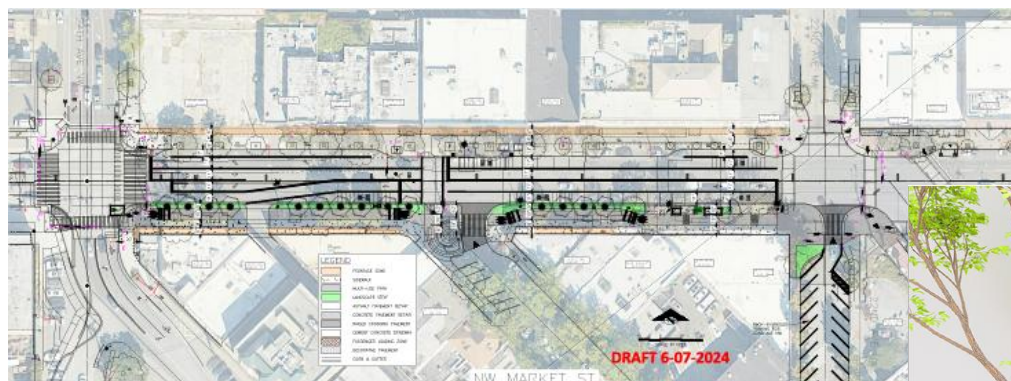
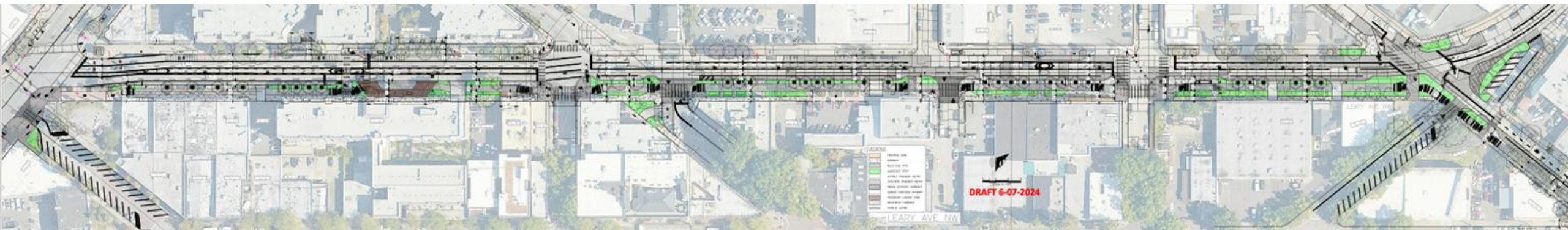


Ongoing Activities

Consider other alternatives



Leary Alternative



Questions?

Thank You!



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